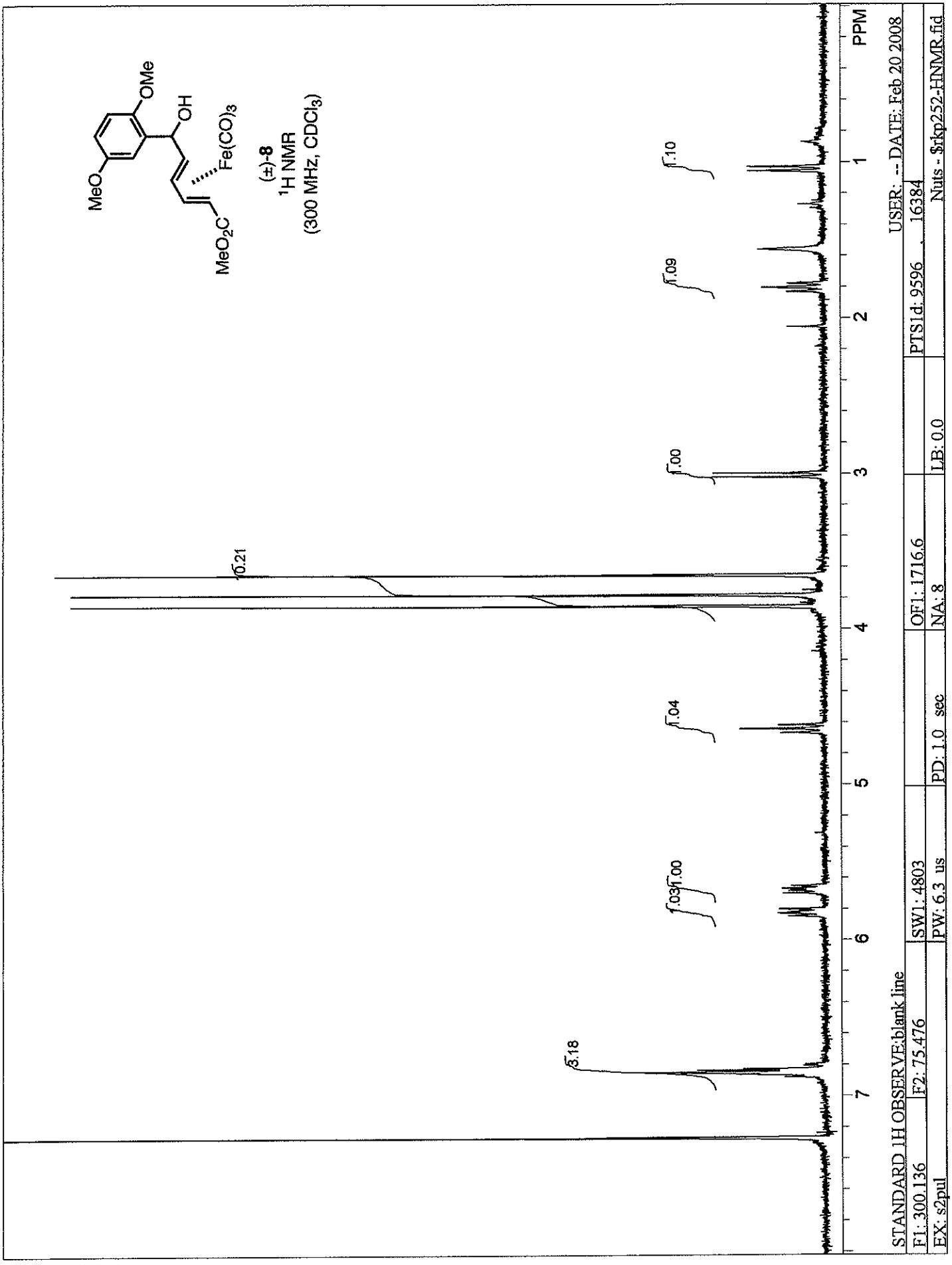
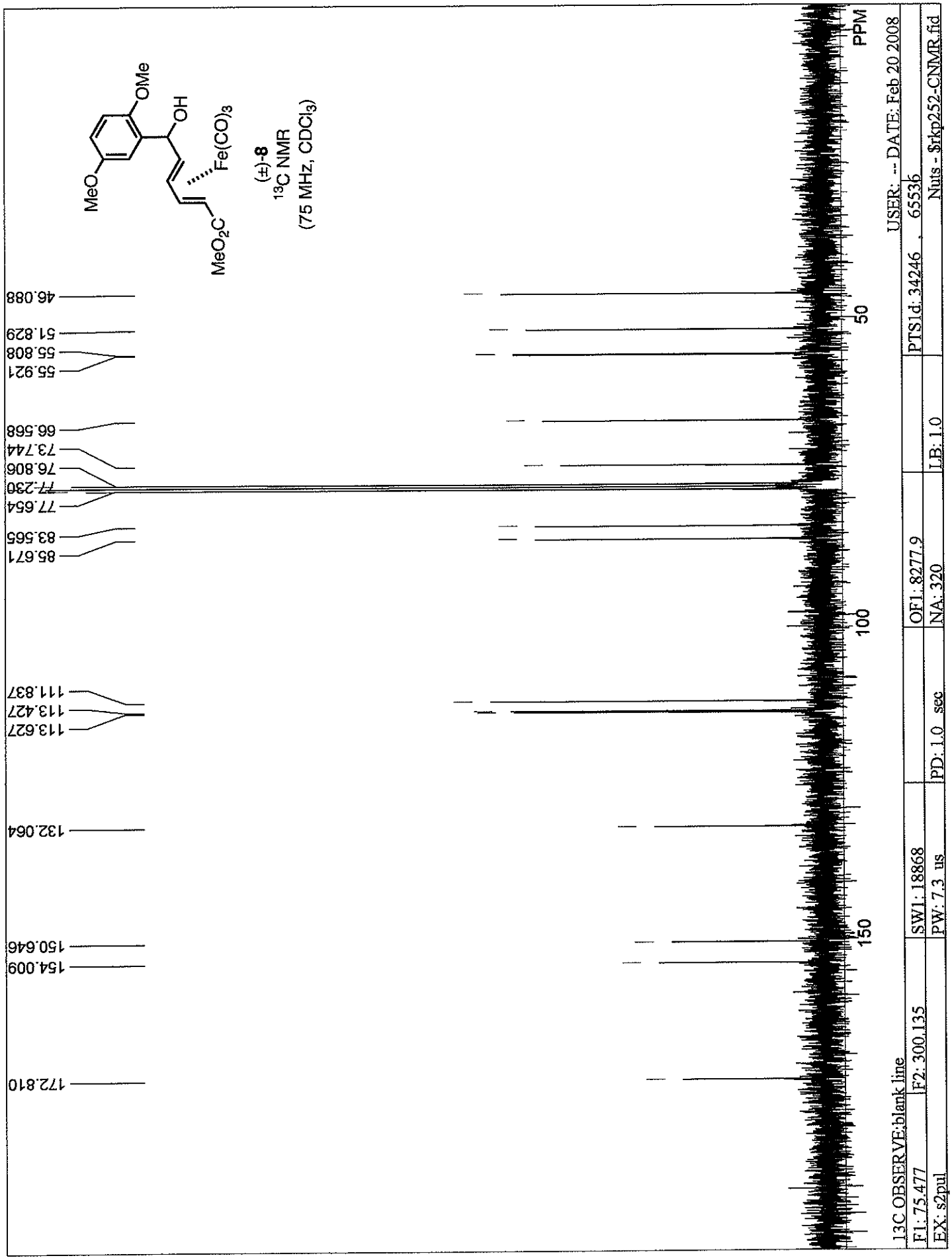
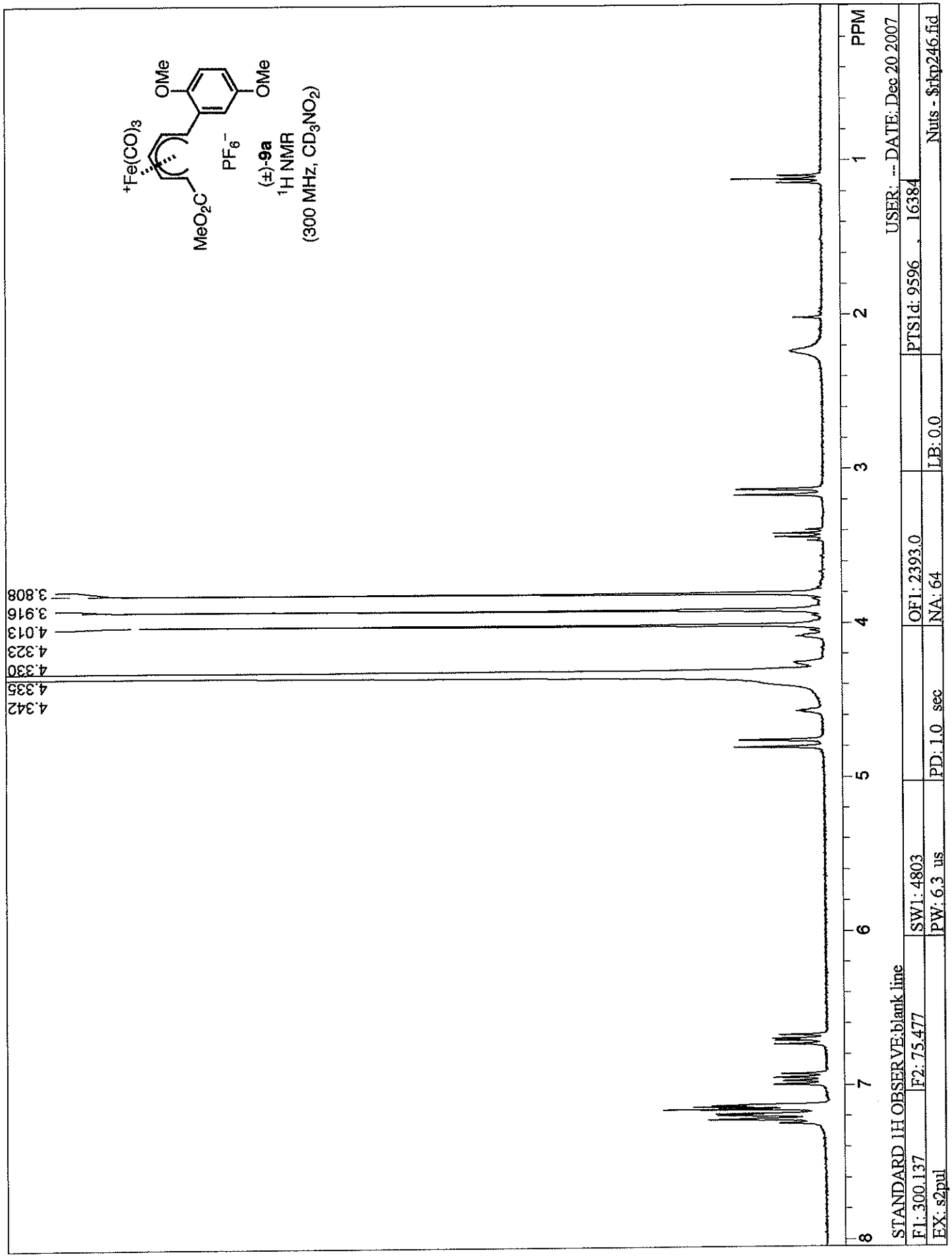
*Electronic Supporting Information*

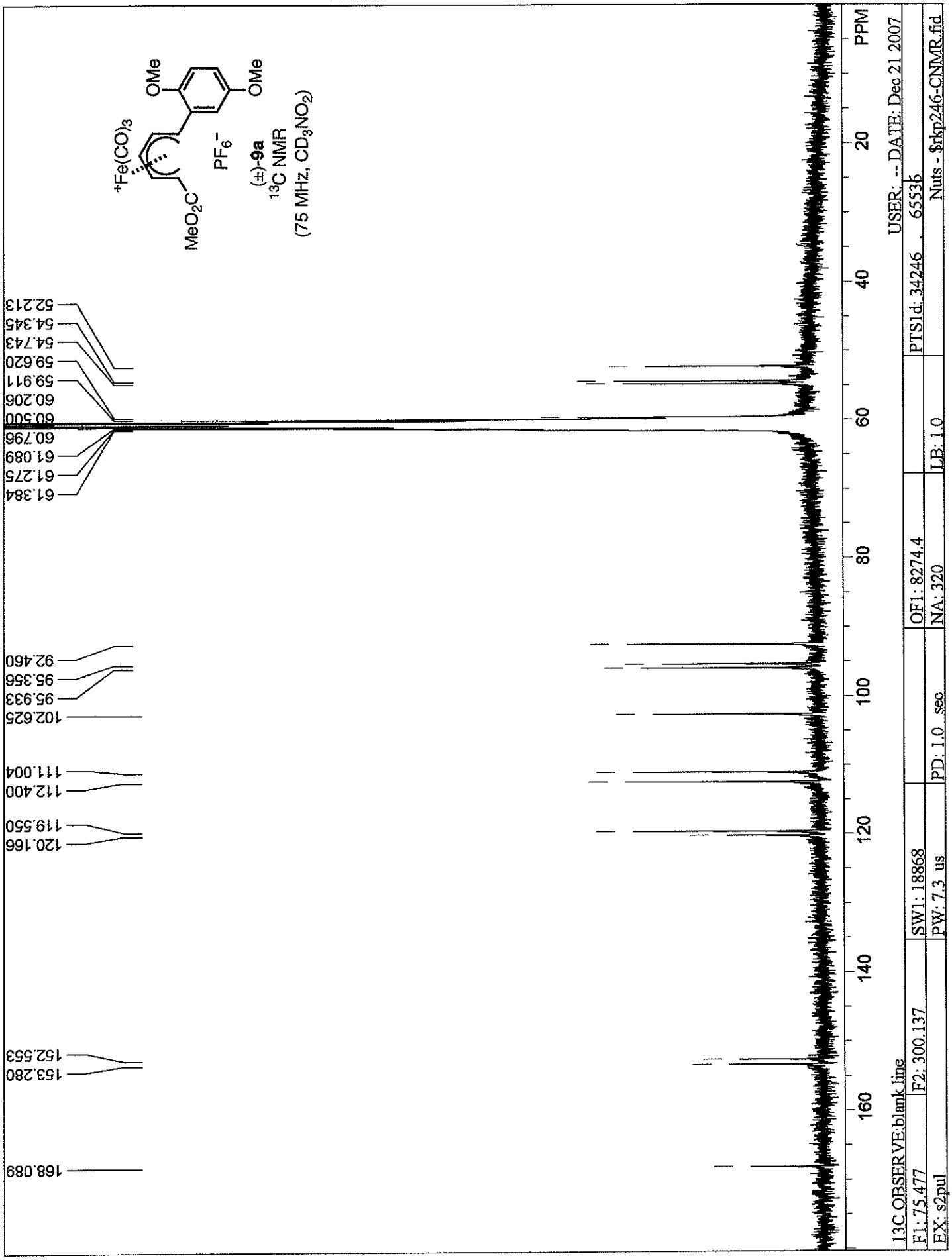
# Reactivity of acyclic (pentadienyl)iron(1+) cations: Synthetic studies directed toward the frondosins

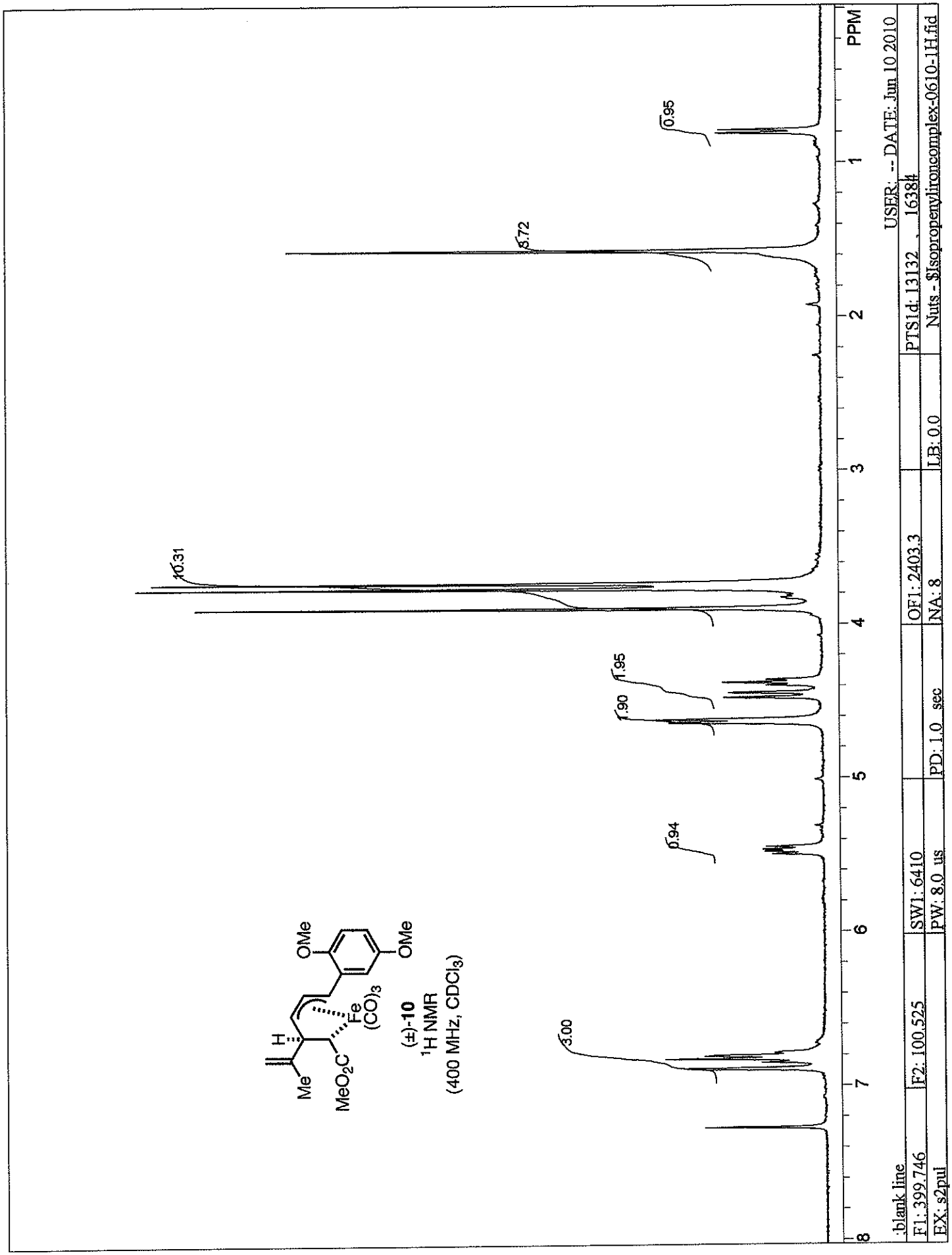
Do W. Lee, Rajesh K. Pandey, Sergey Lindeman, and William A. Donaldson*

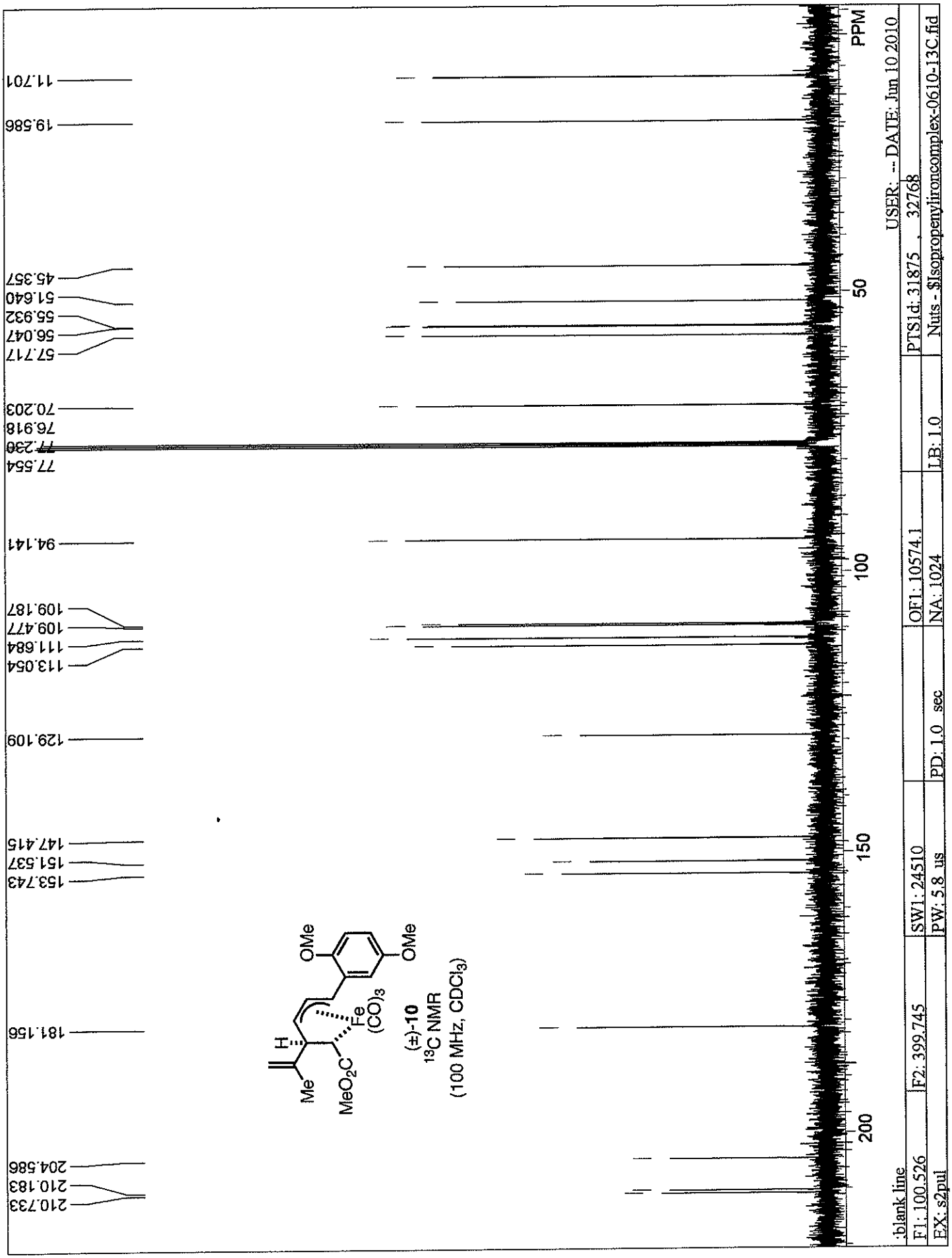


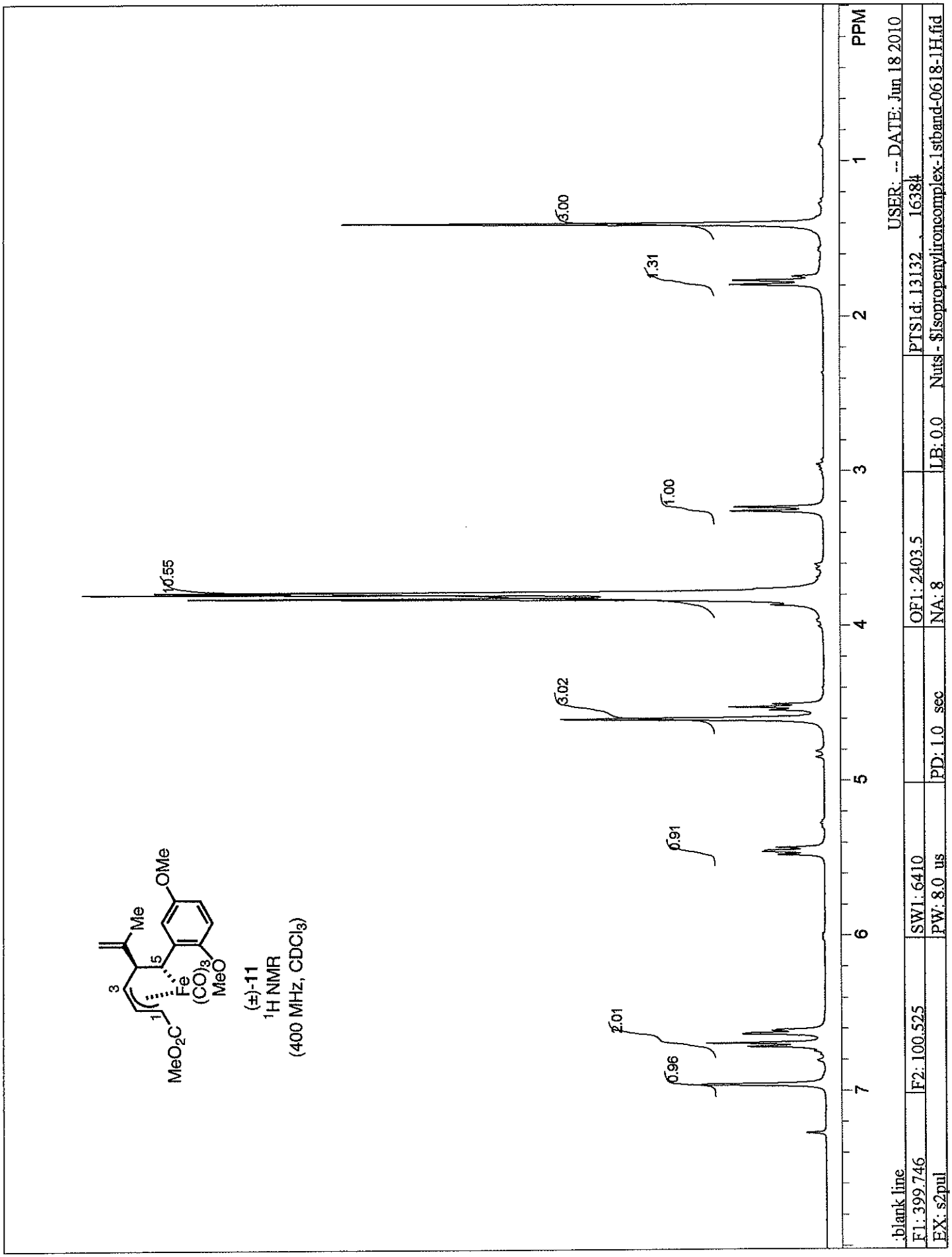


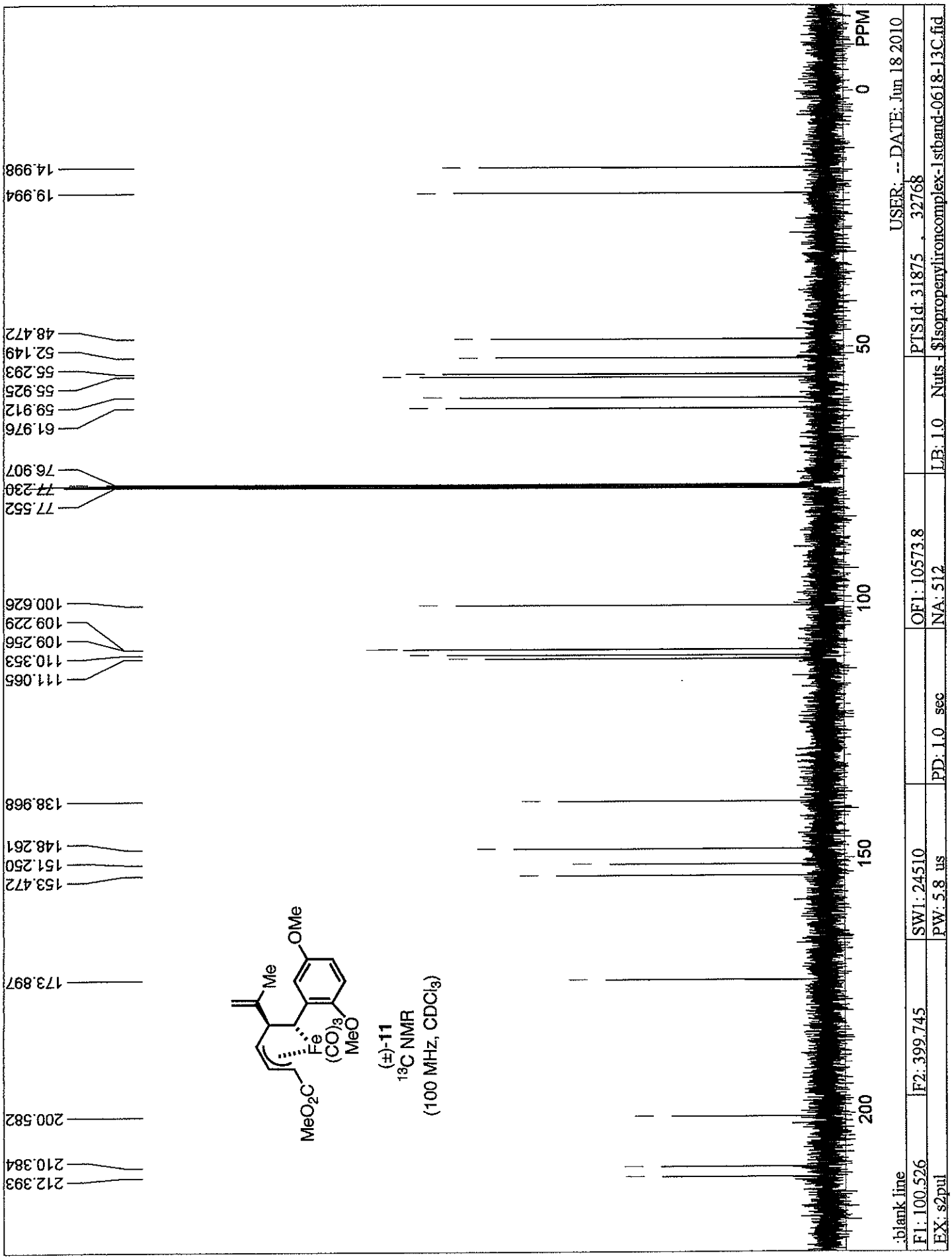


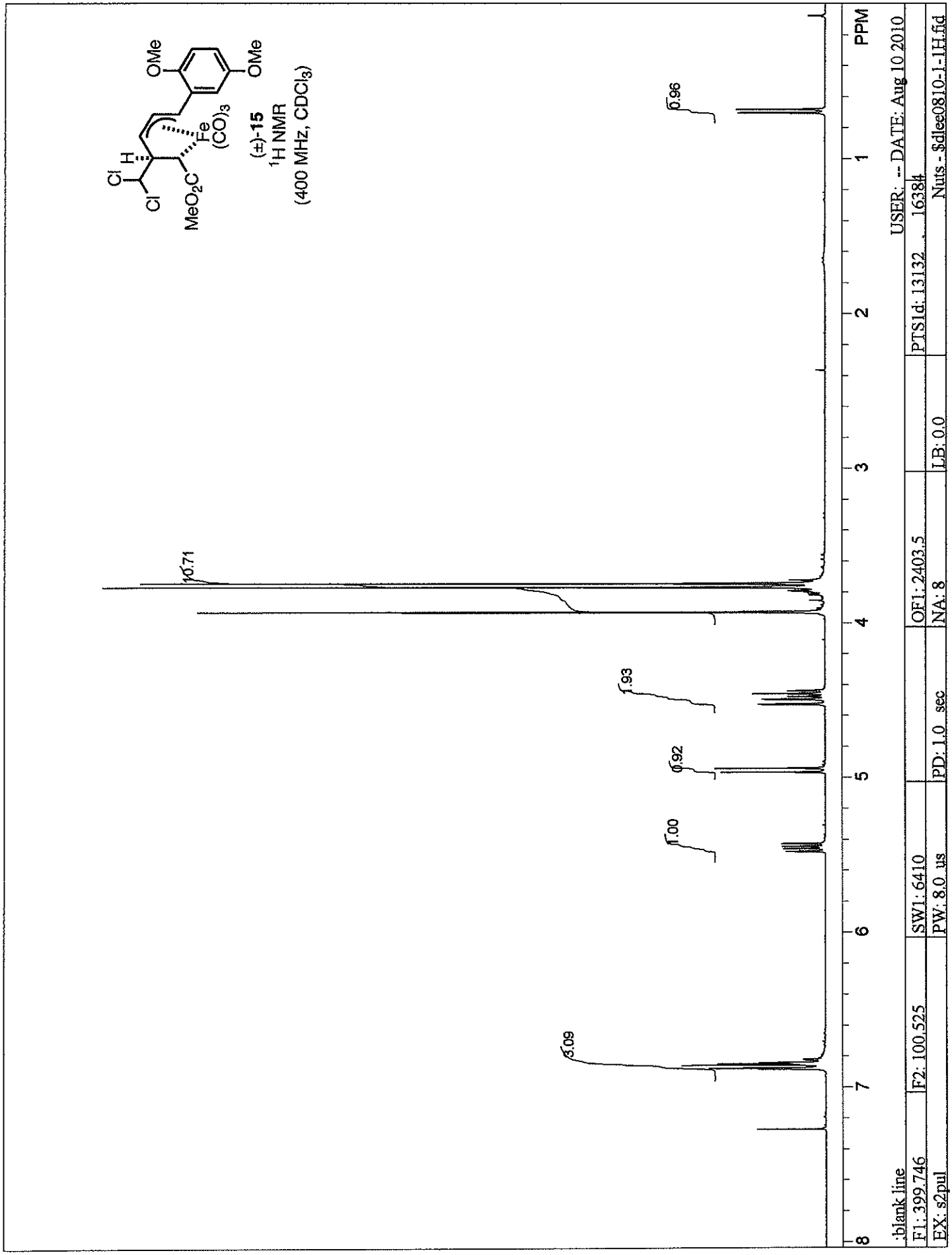


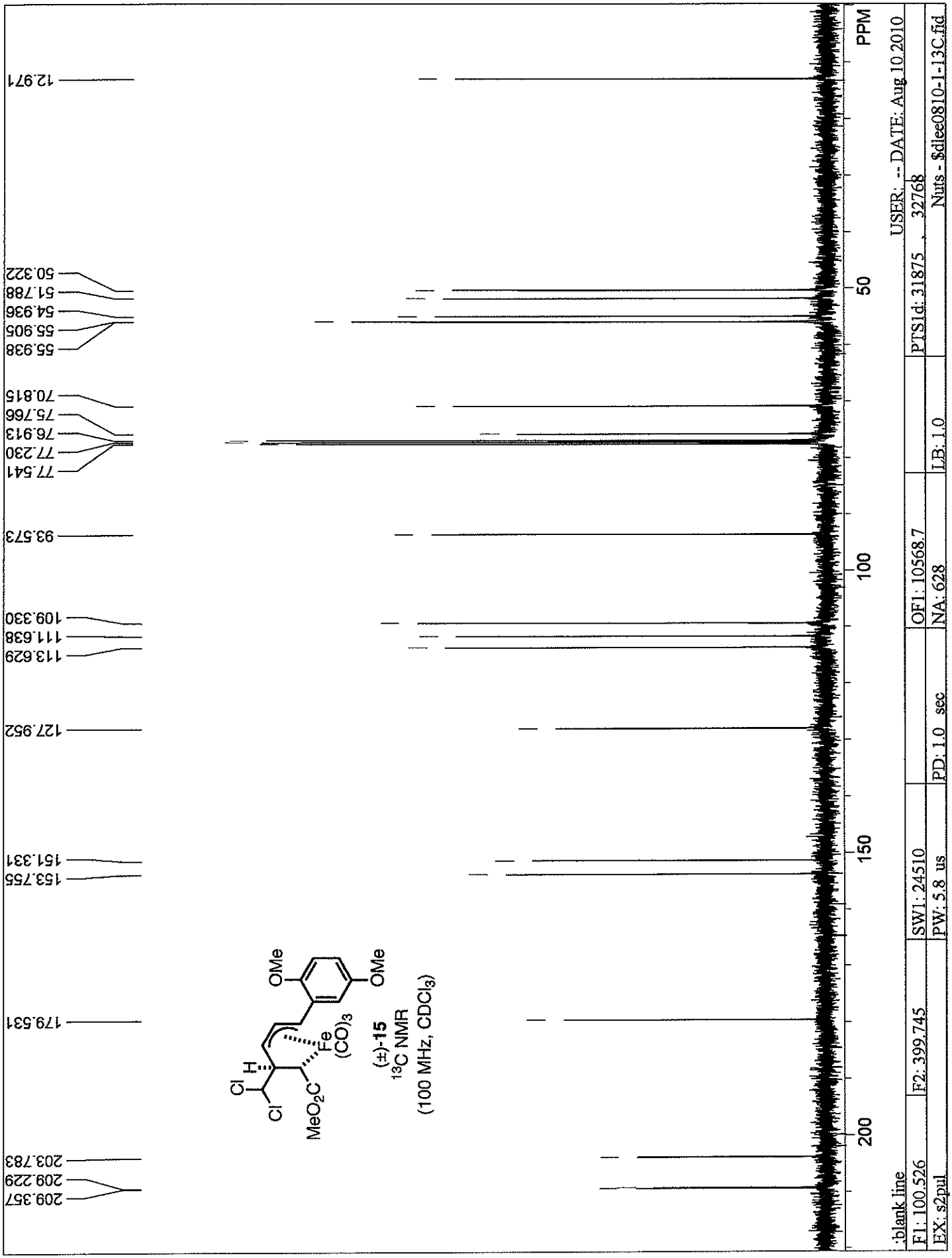


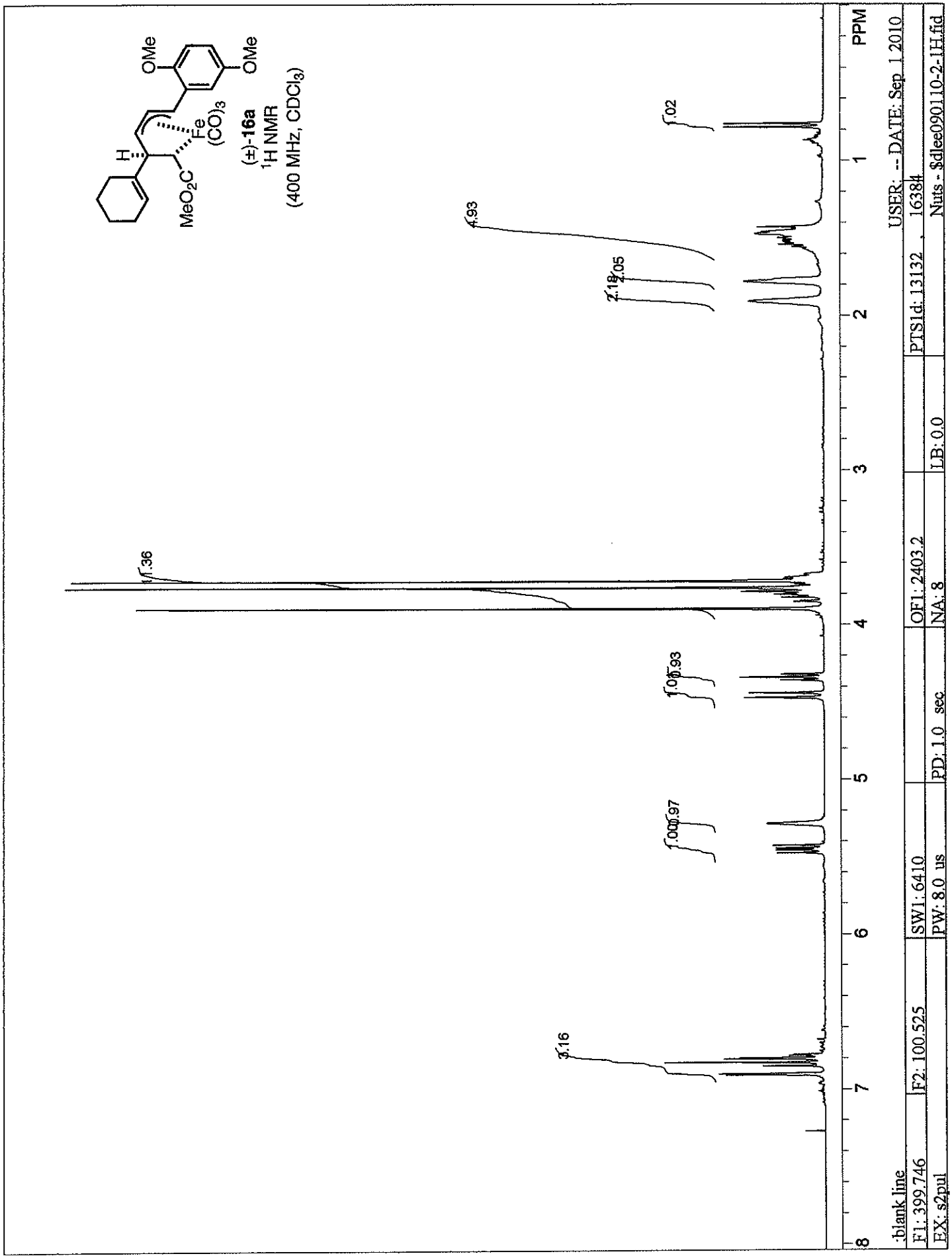


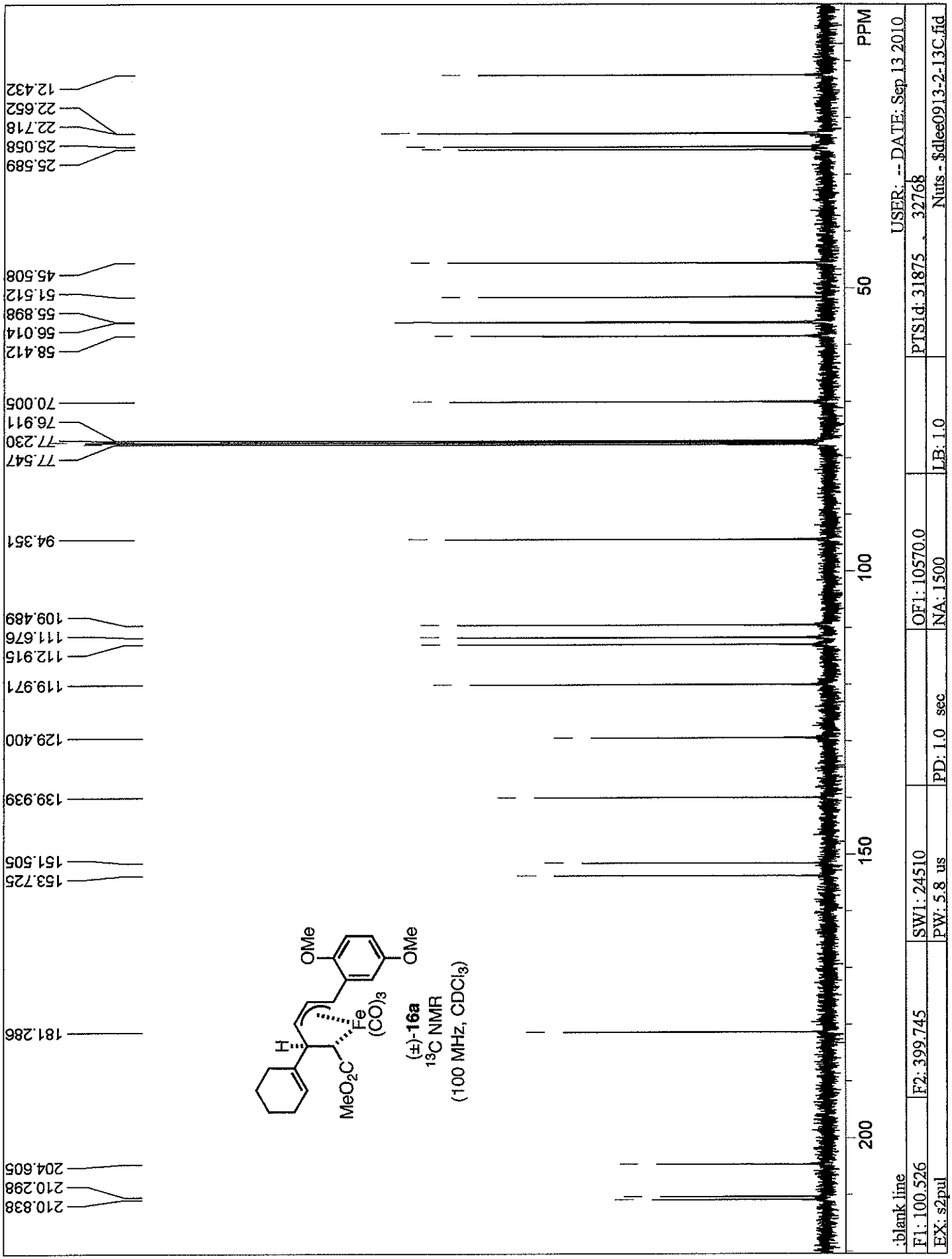


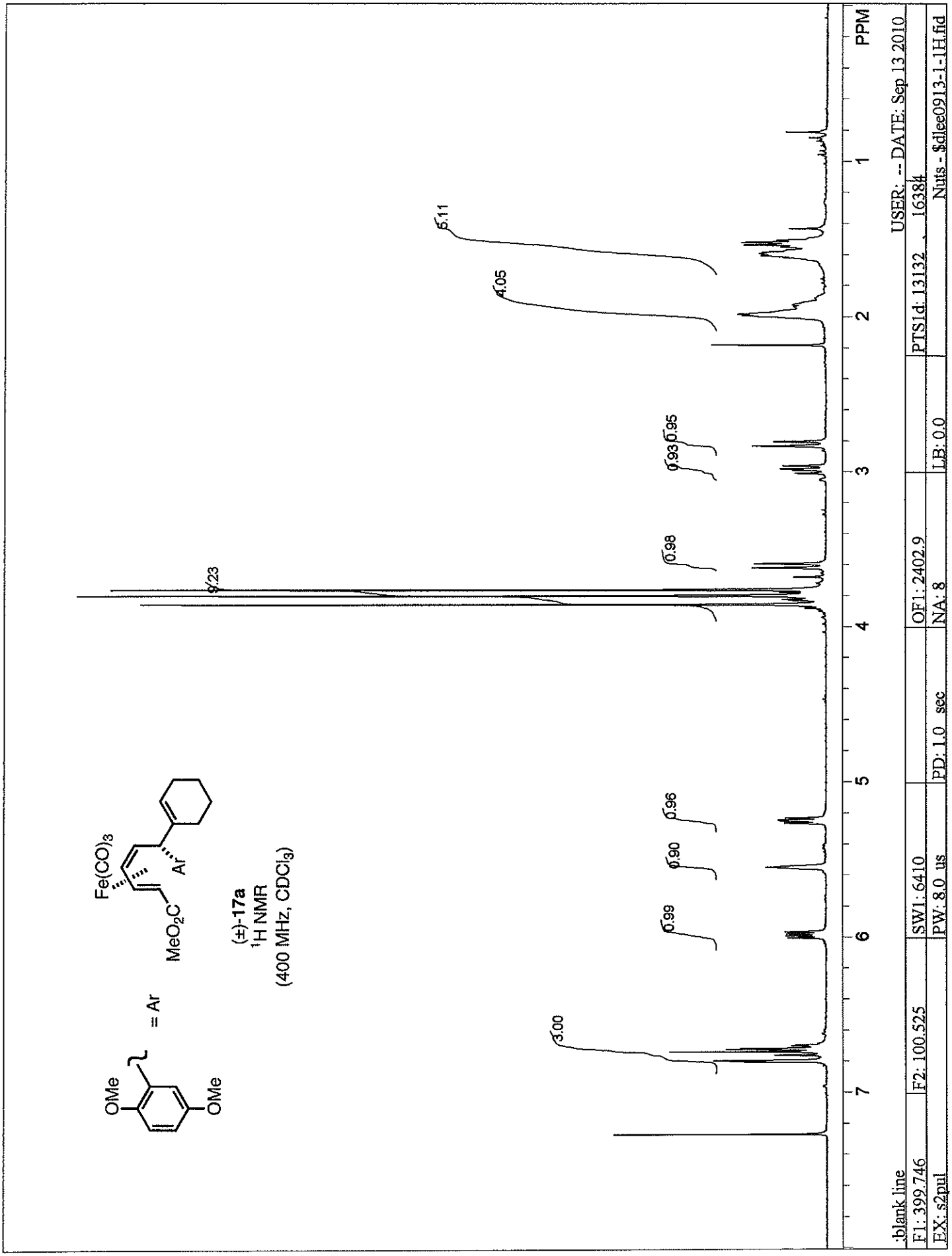








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OMe
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(400 MHz, CDCl3)
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0.99
0.90
0.96
0.98
0.93
0.95
9.23
4.05
5.11
PPM
USER: -- DATE: Sep 13 2010
PTS1d: 13132
16384
Nuts - $dlee0913-1-1H.fid
LB: 0.0
NA: 8
OF1: 2402.9
SW1: 6410
PW: 8.0 us
PD: 1.0 sec
F2: 100.525
F1: 399.746
EX: s2pul
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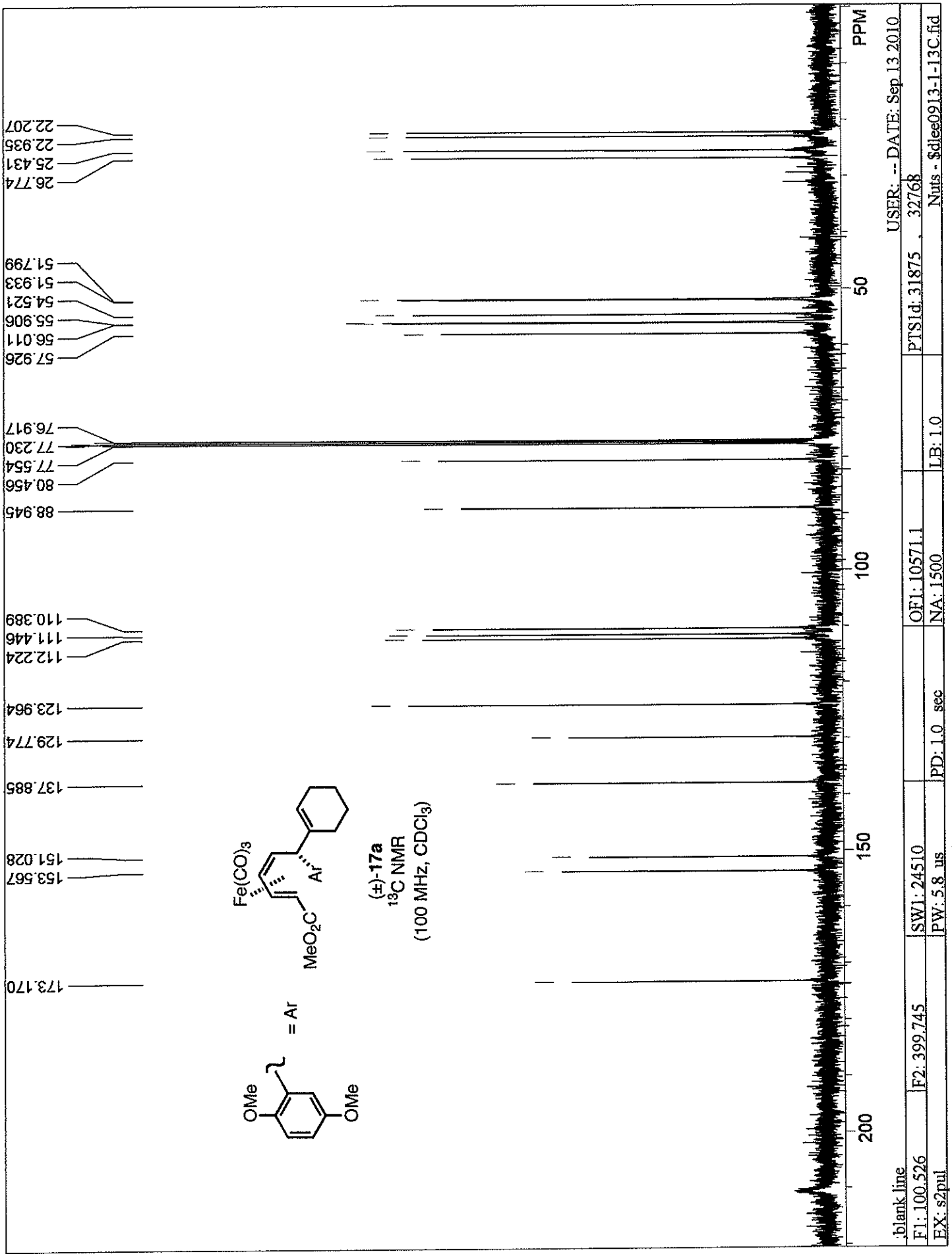

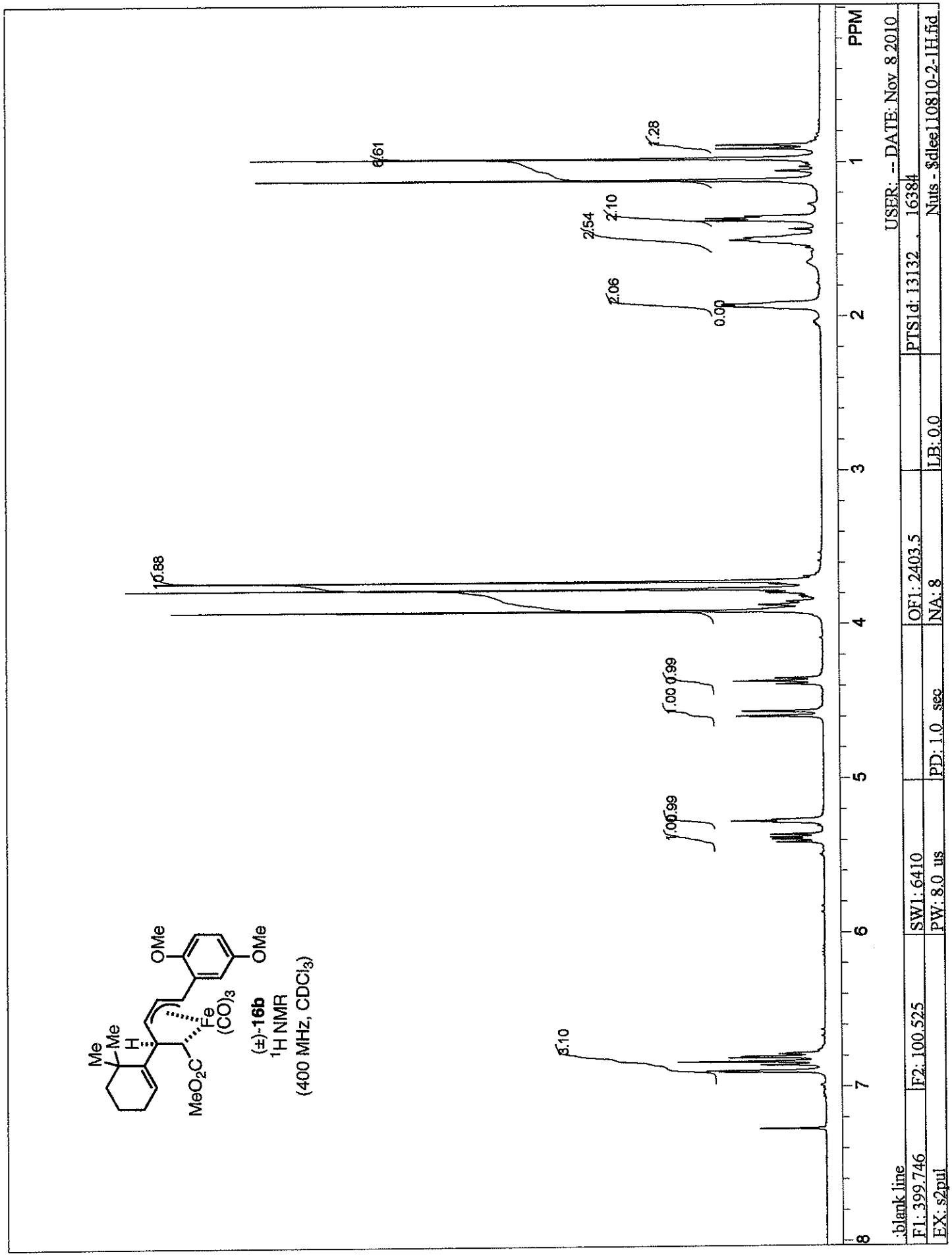

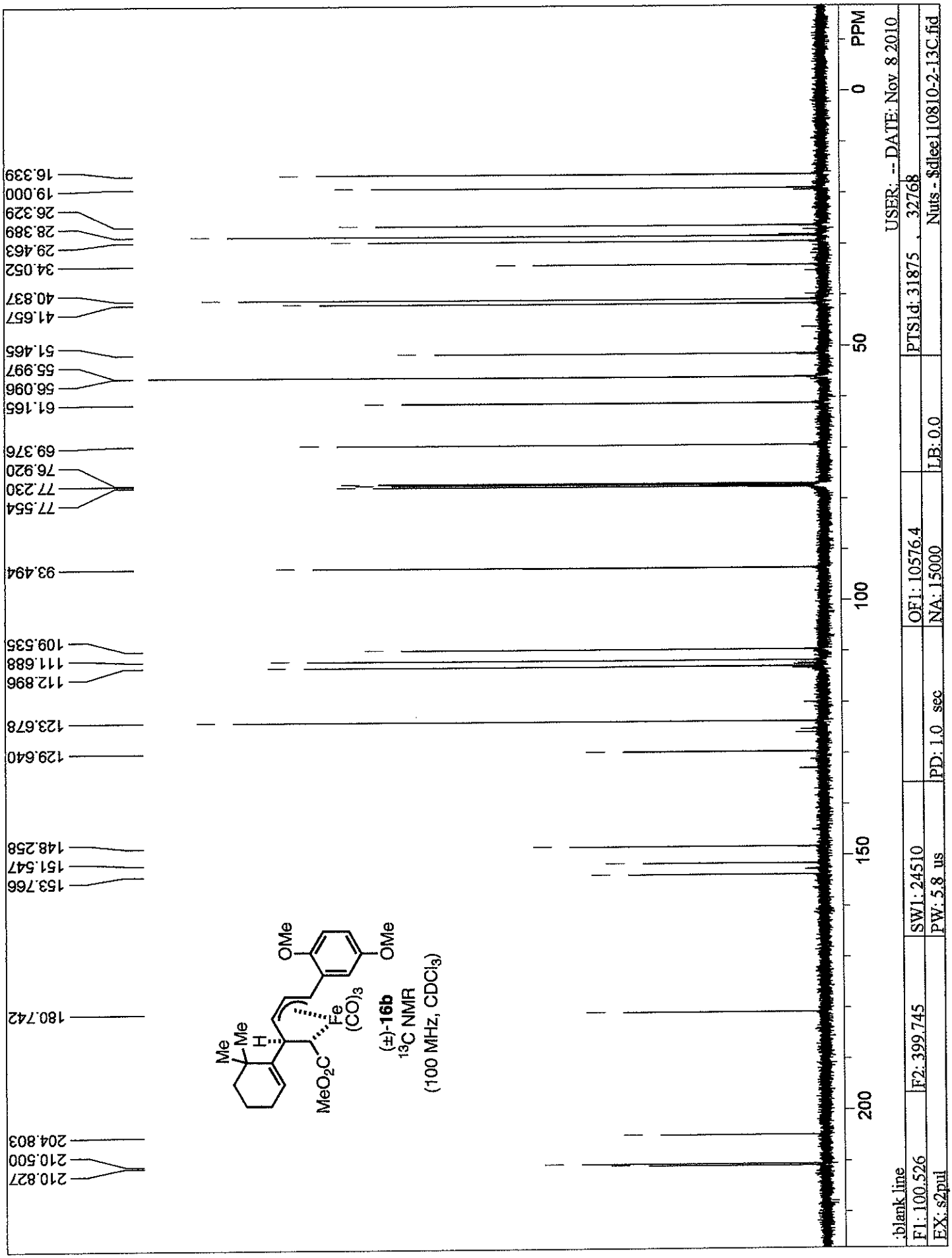

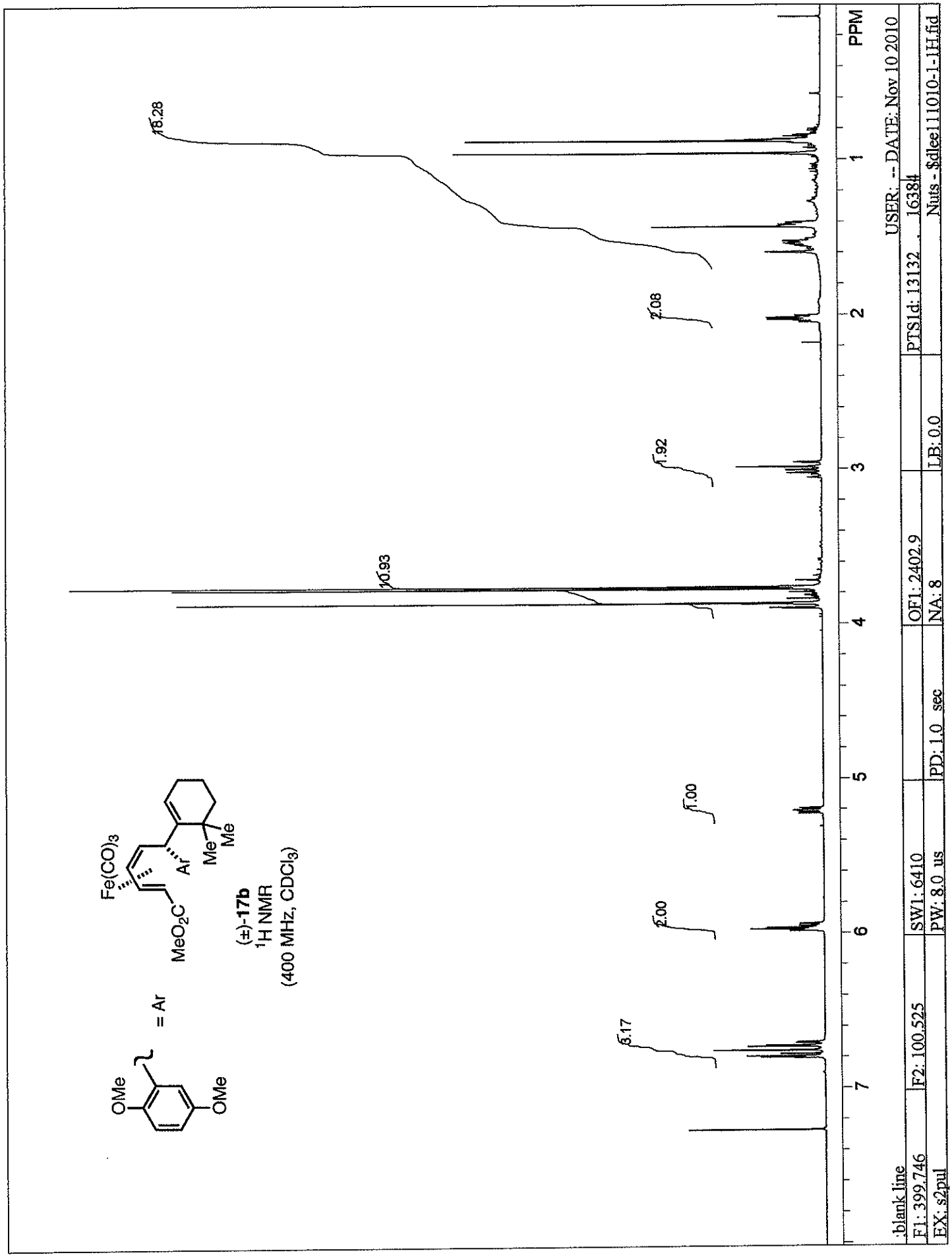

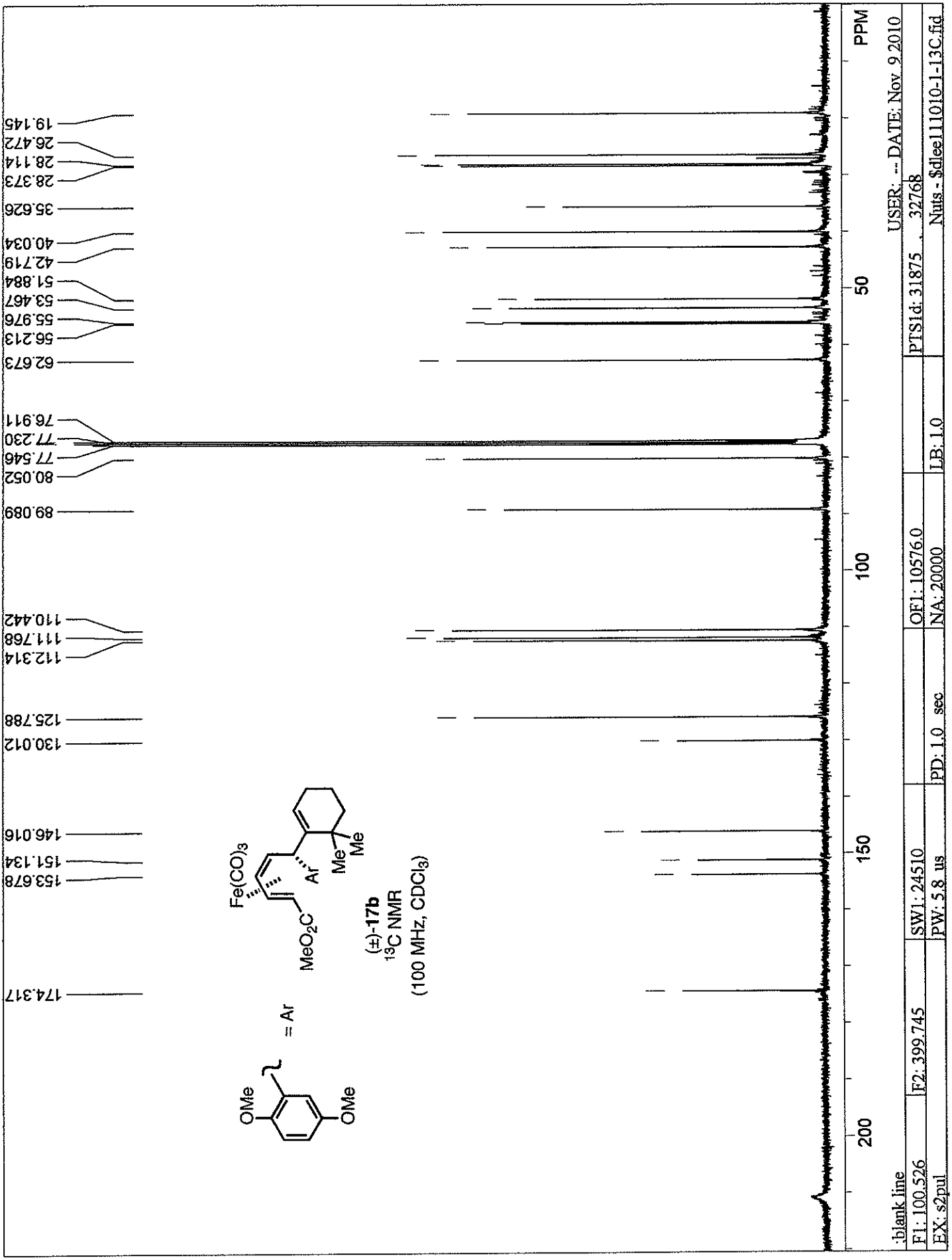

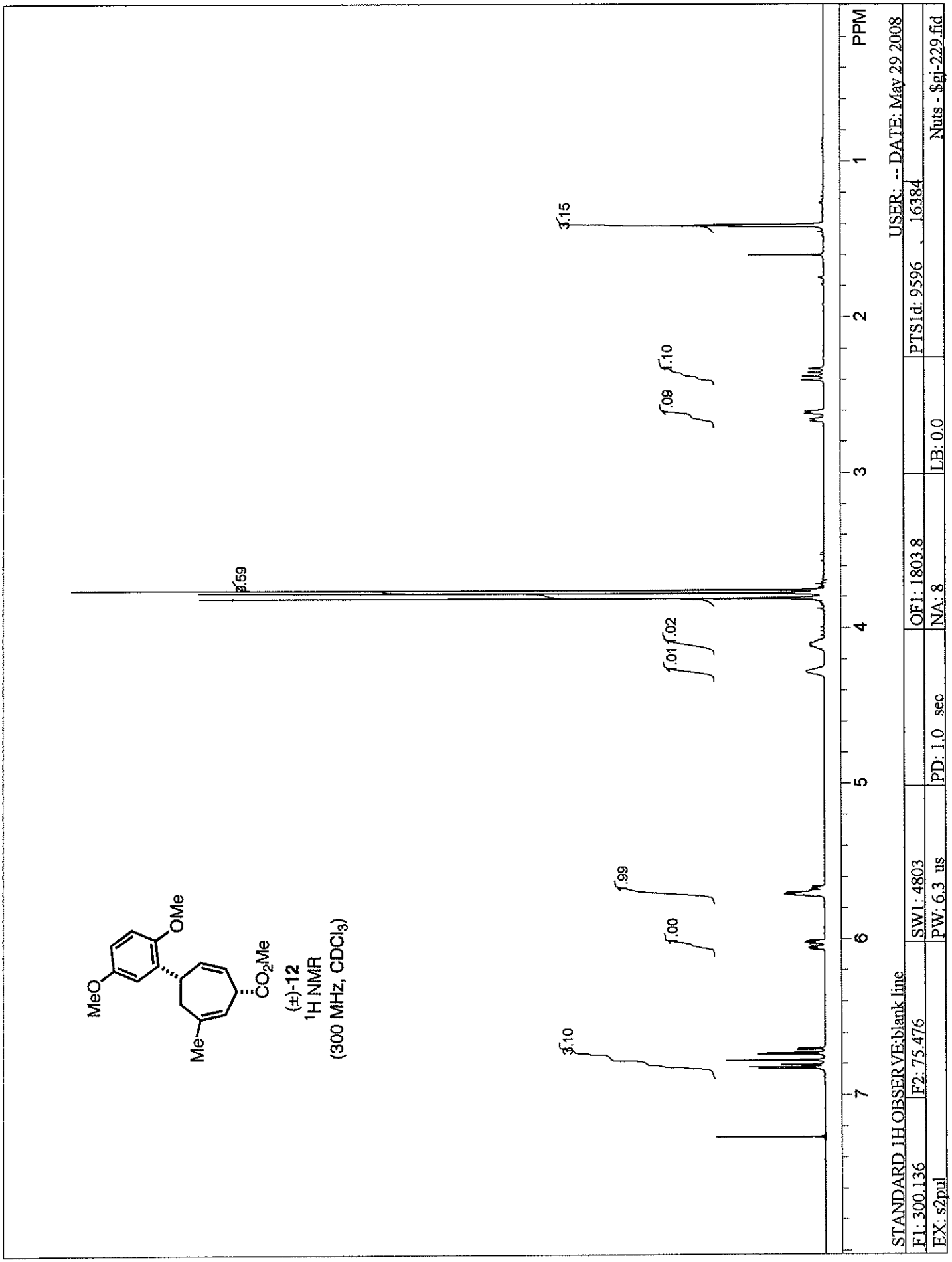

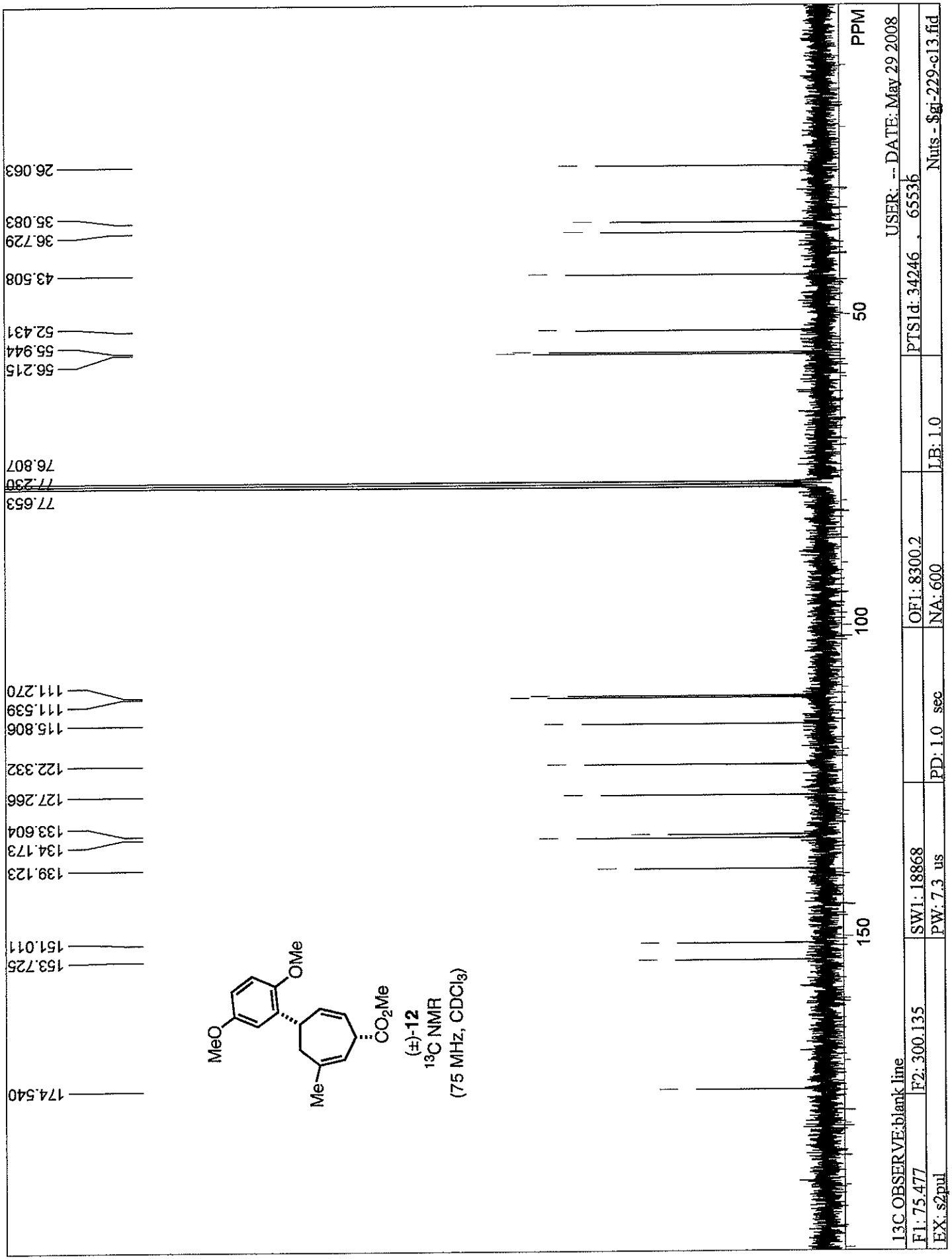

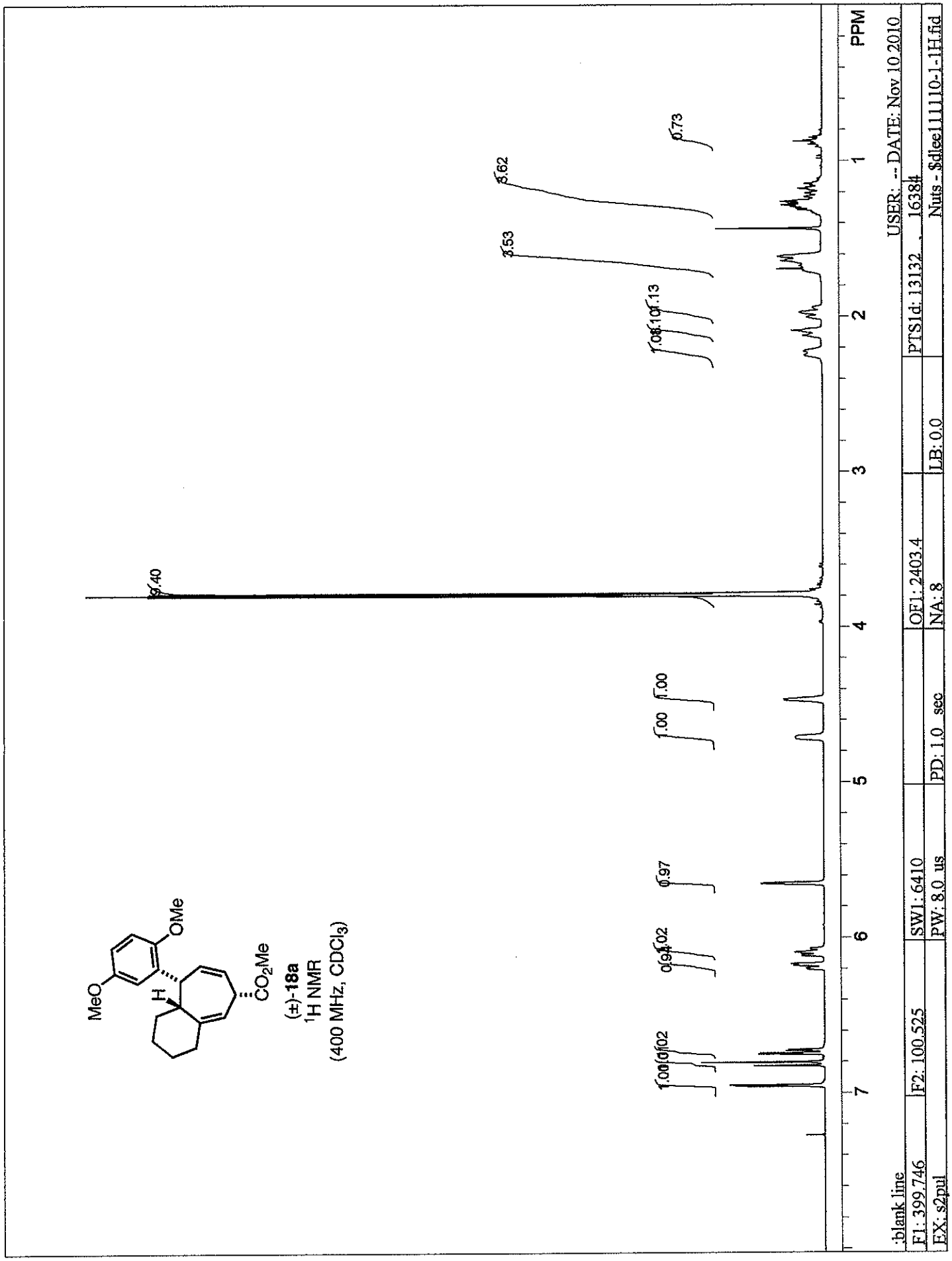
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OMe
H
CO2Me
(±)-18a
1H NMR
(400 MHz, CDCl3)
9.40
8.62
8.53
0.73
1.08
1.10
1.13
1.00
1.00
1.00
0.97
0.94
1.02
1.00
1.02
PPM
1
2
3
4
5
6
7
USER: -- DATE: Nov 10 2010
.blank line
F1: 399.746
F2: 100.525
SW1: 6410
OF1: 2403.4
PTS1d: 13132
16384
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NA: 8
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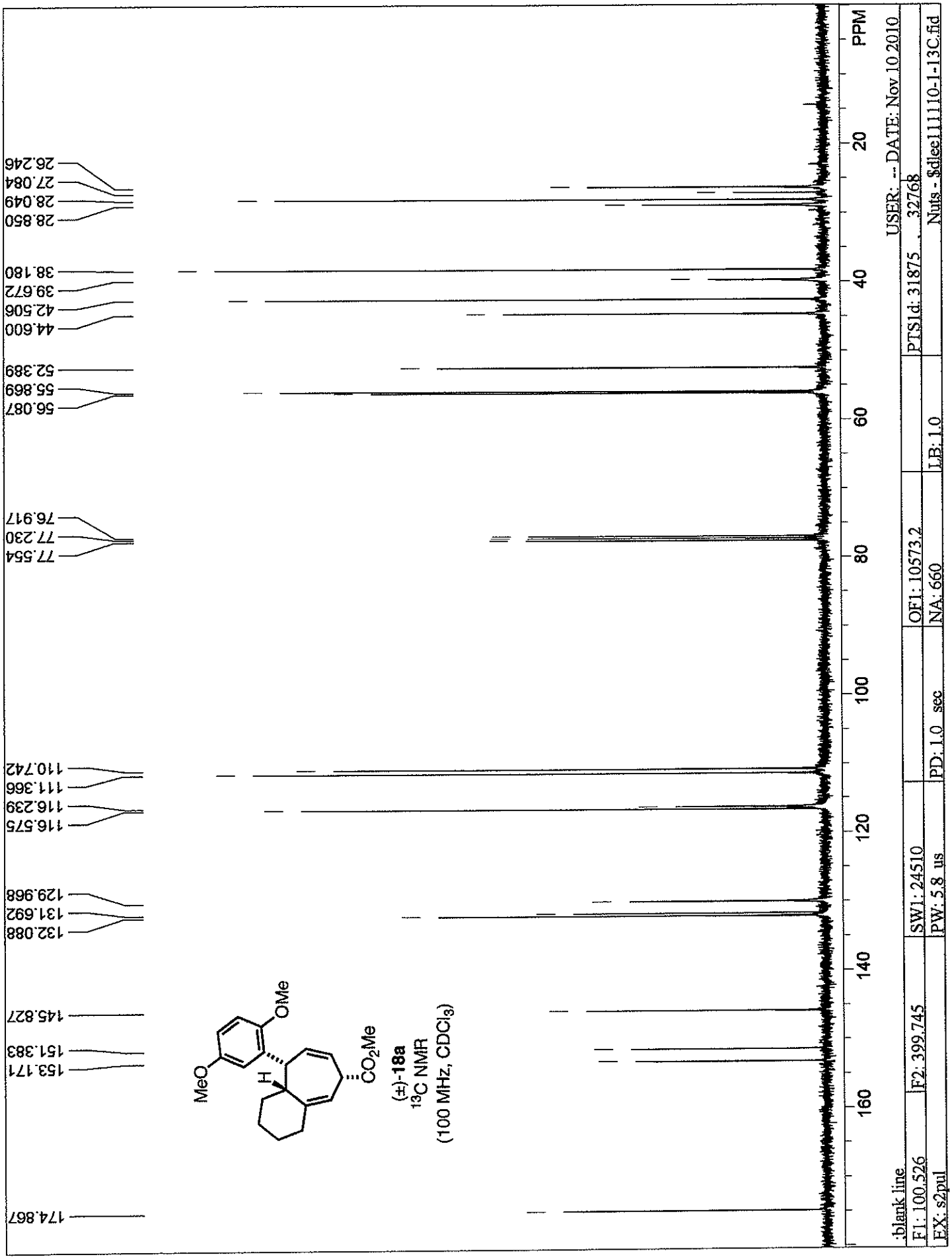
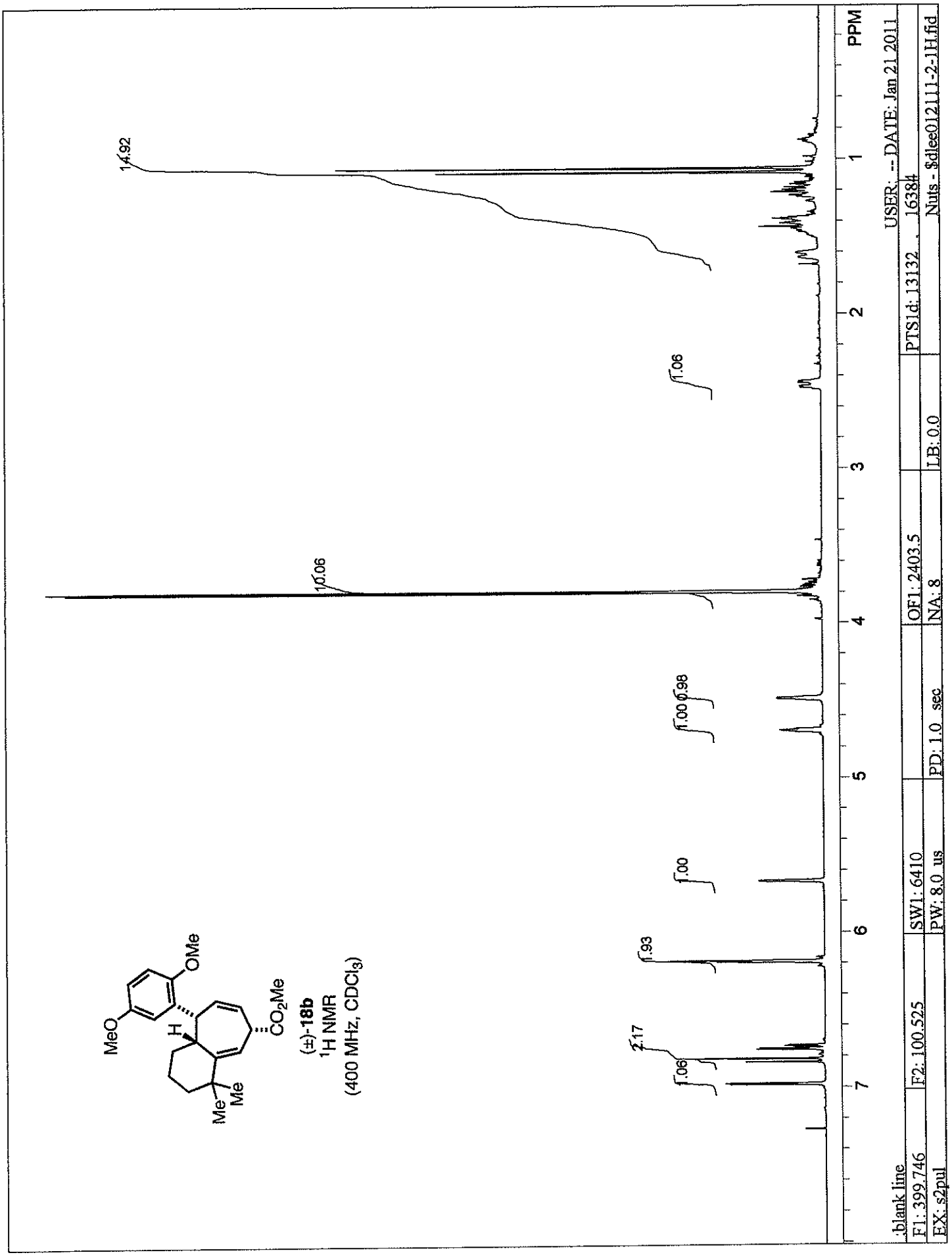
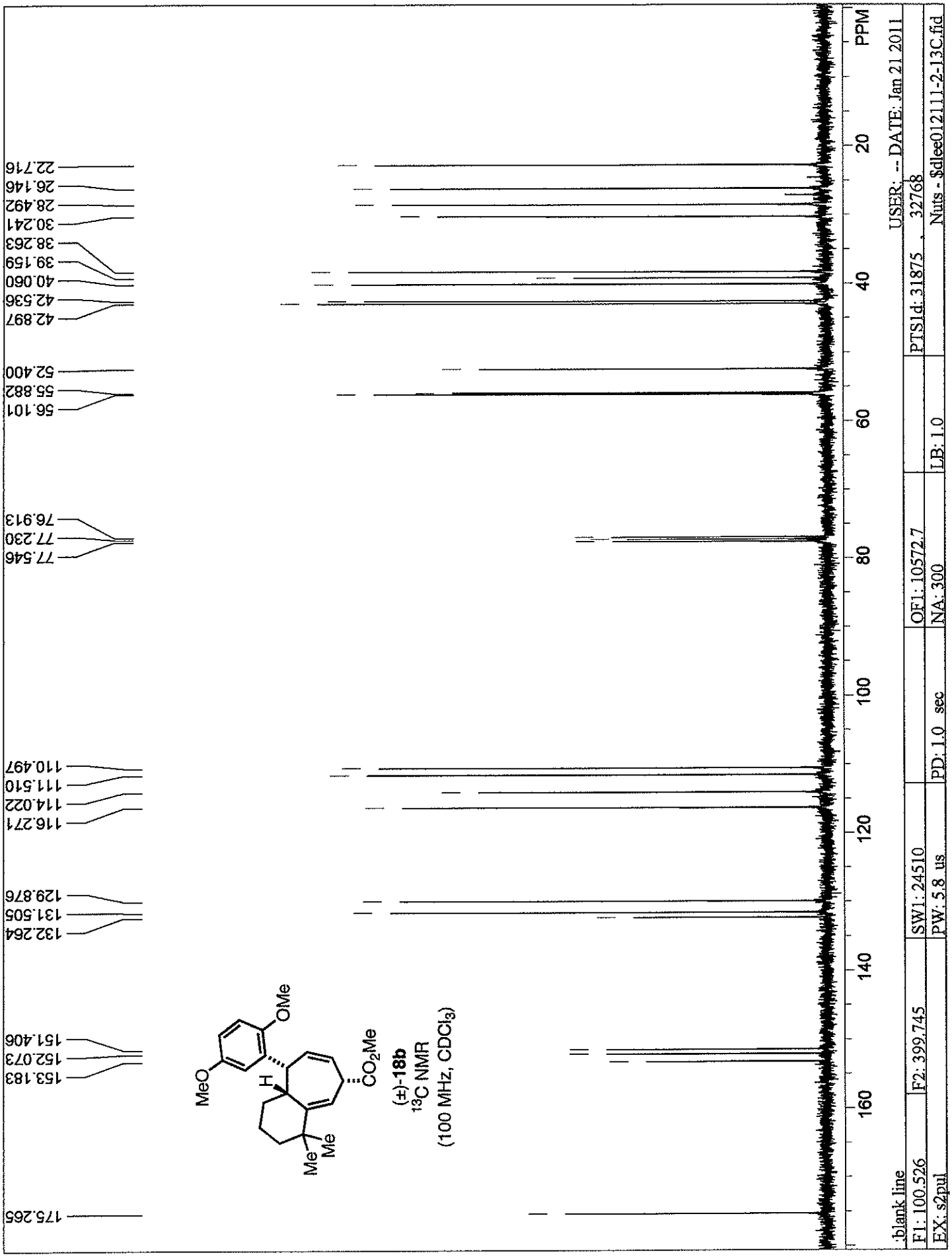
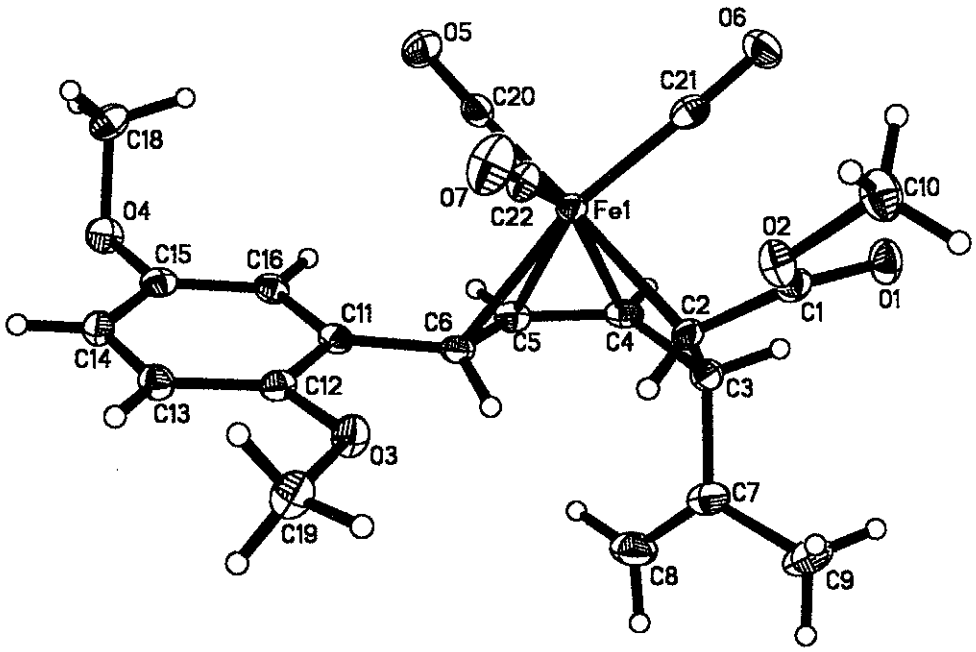
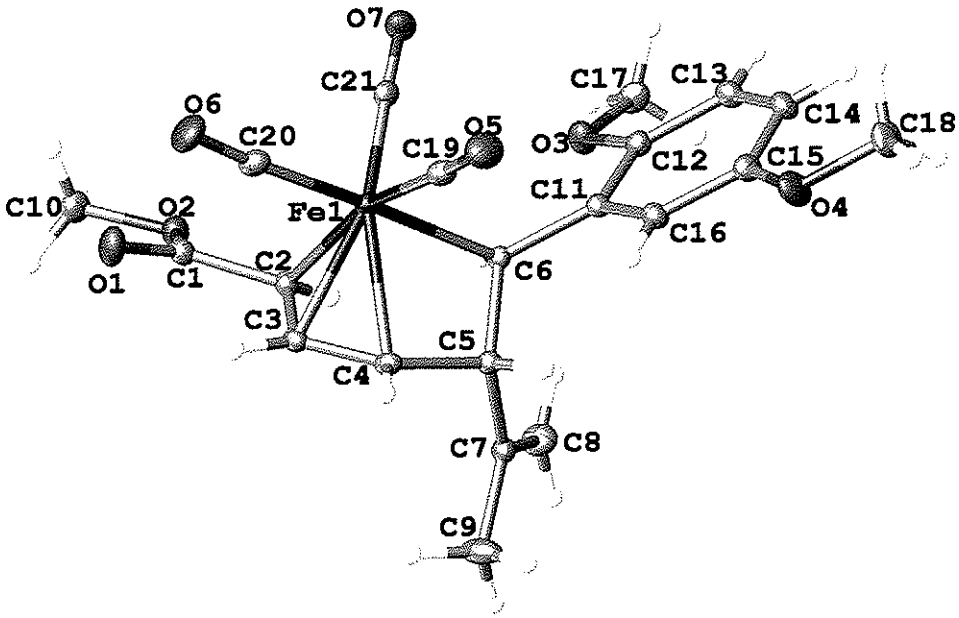




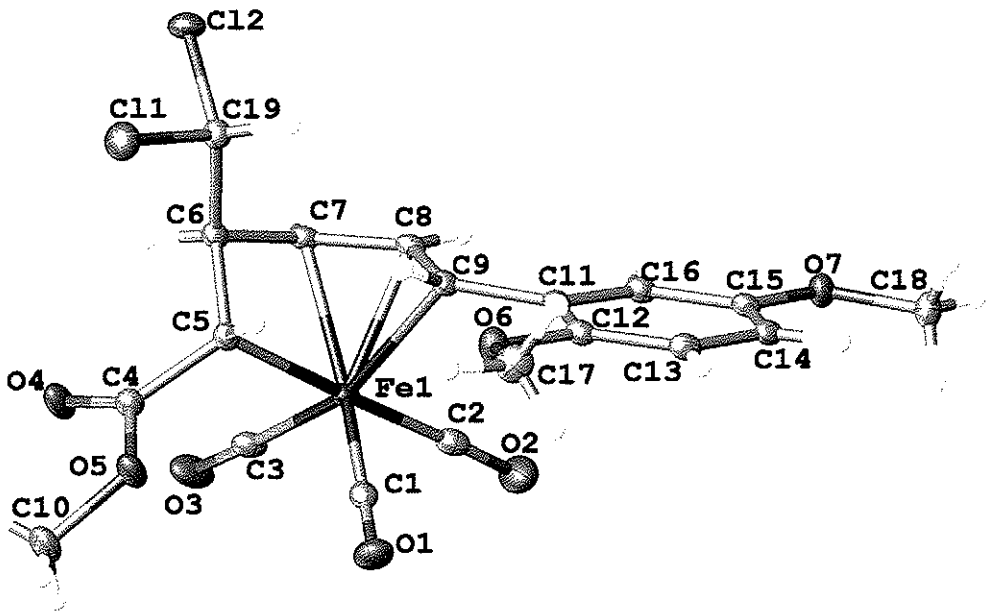




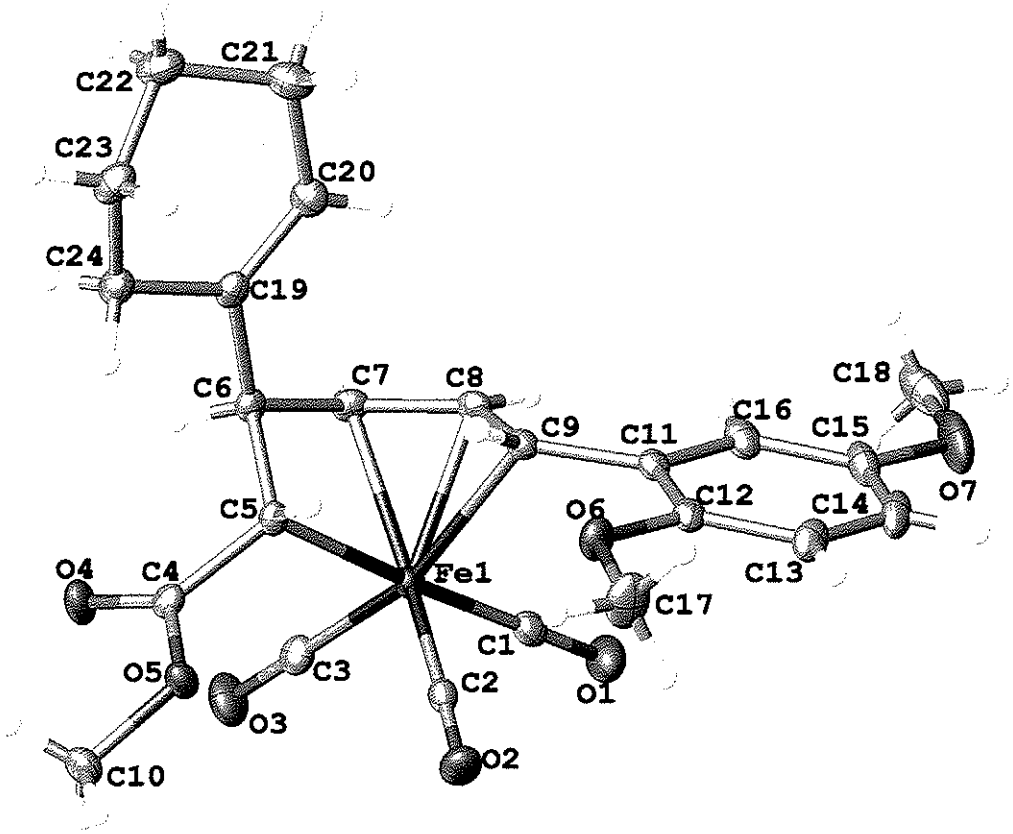

ORTEP of (±)-**10**




ORTEP of (±)-**11**




ORTEP of (±)-**15**




ORTEP of (±)-**16a**